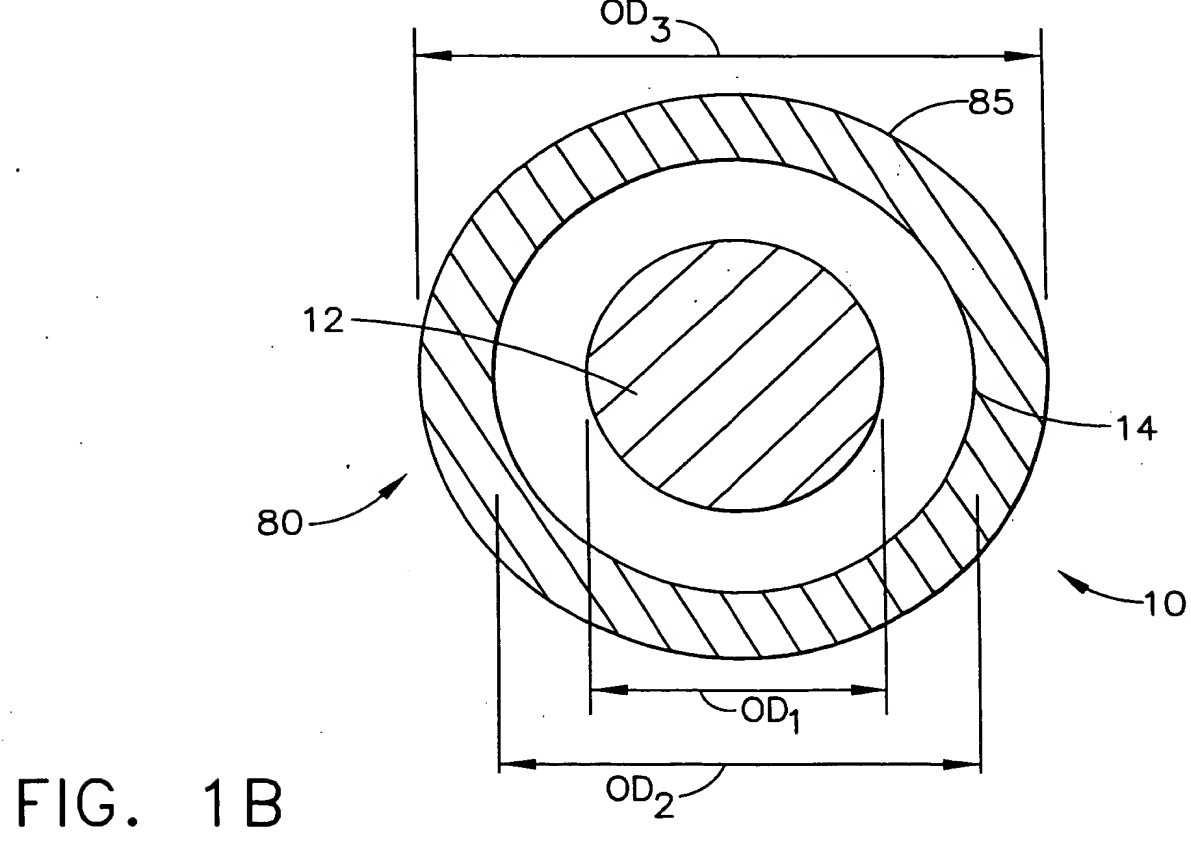
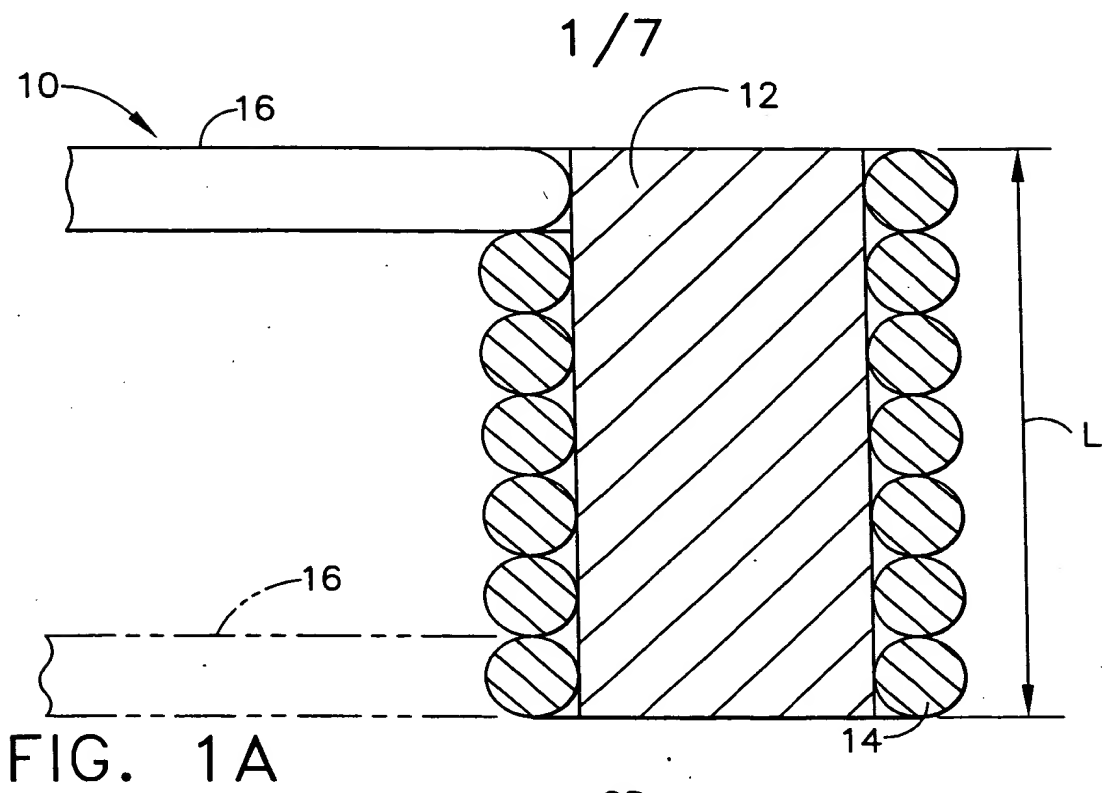




MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES
INVENTOR: ASSAF GOVARI
SN: 09/882,125; BIO-121
ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218



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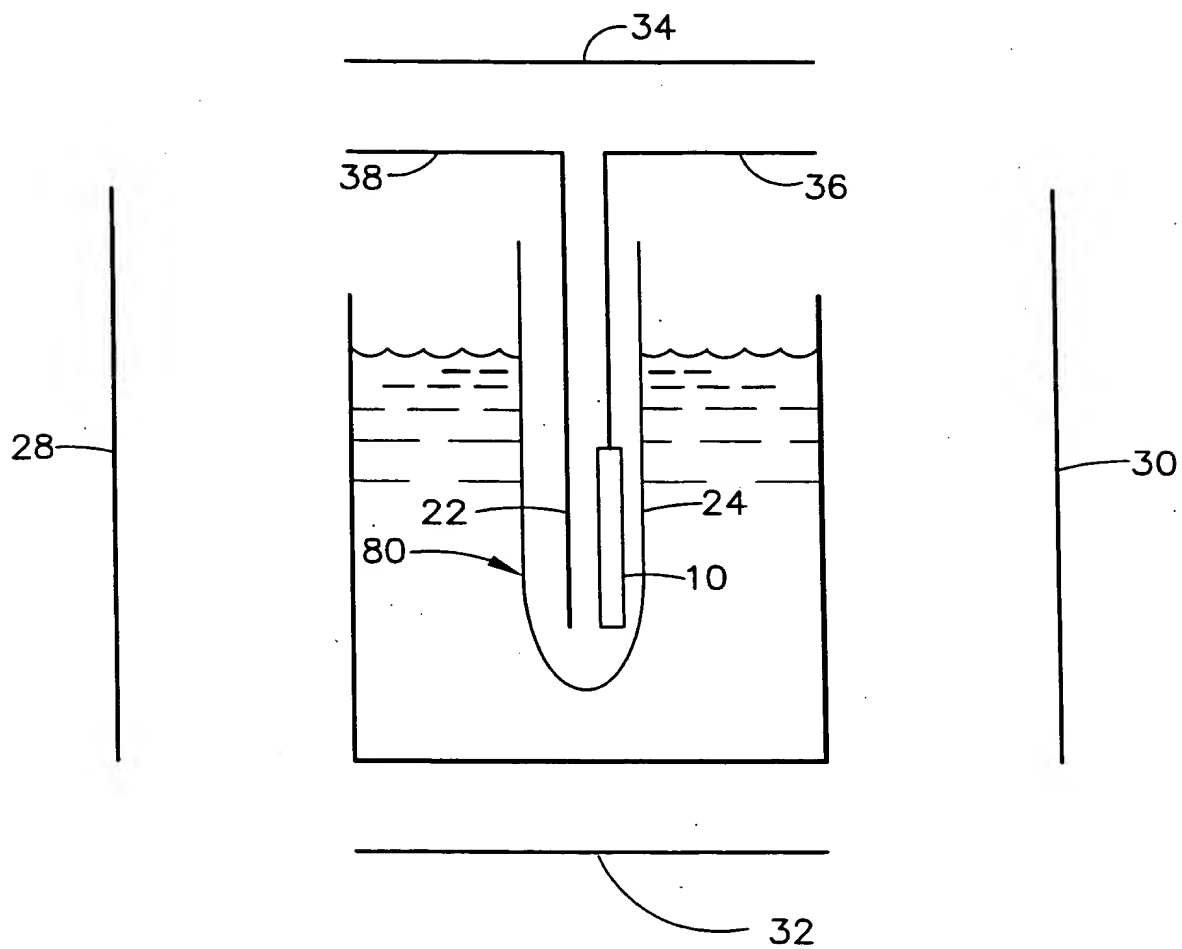


FIG. 2

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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SN: 09/882,125; BIO-121

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REGRESSING HEAT EXPERIMENT SENSOR 2

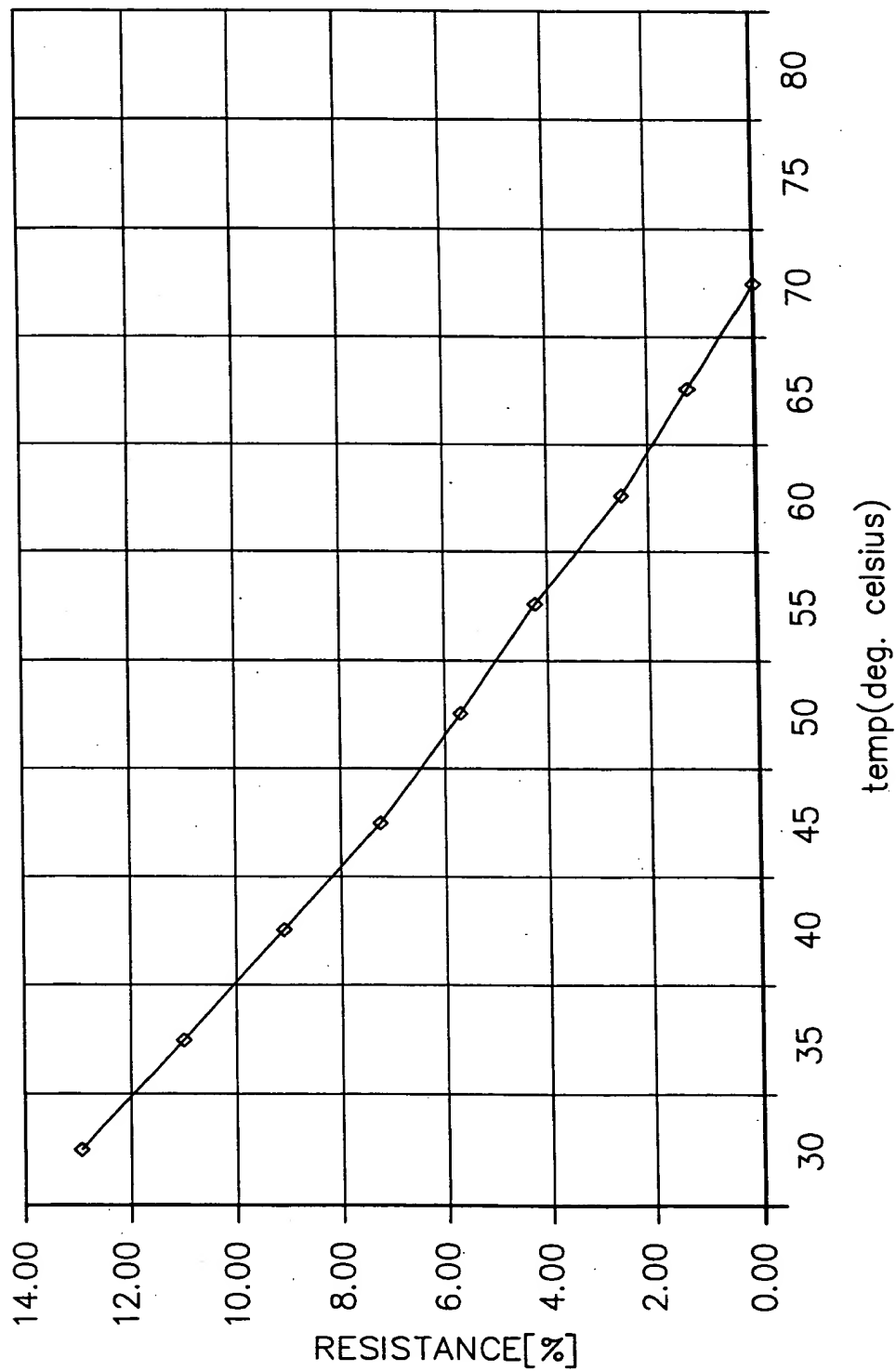


FIG. 3A

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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REGRESSING HEAT EXPERIMENT SENSOR 2

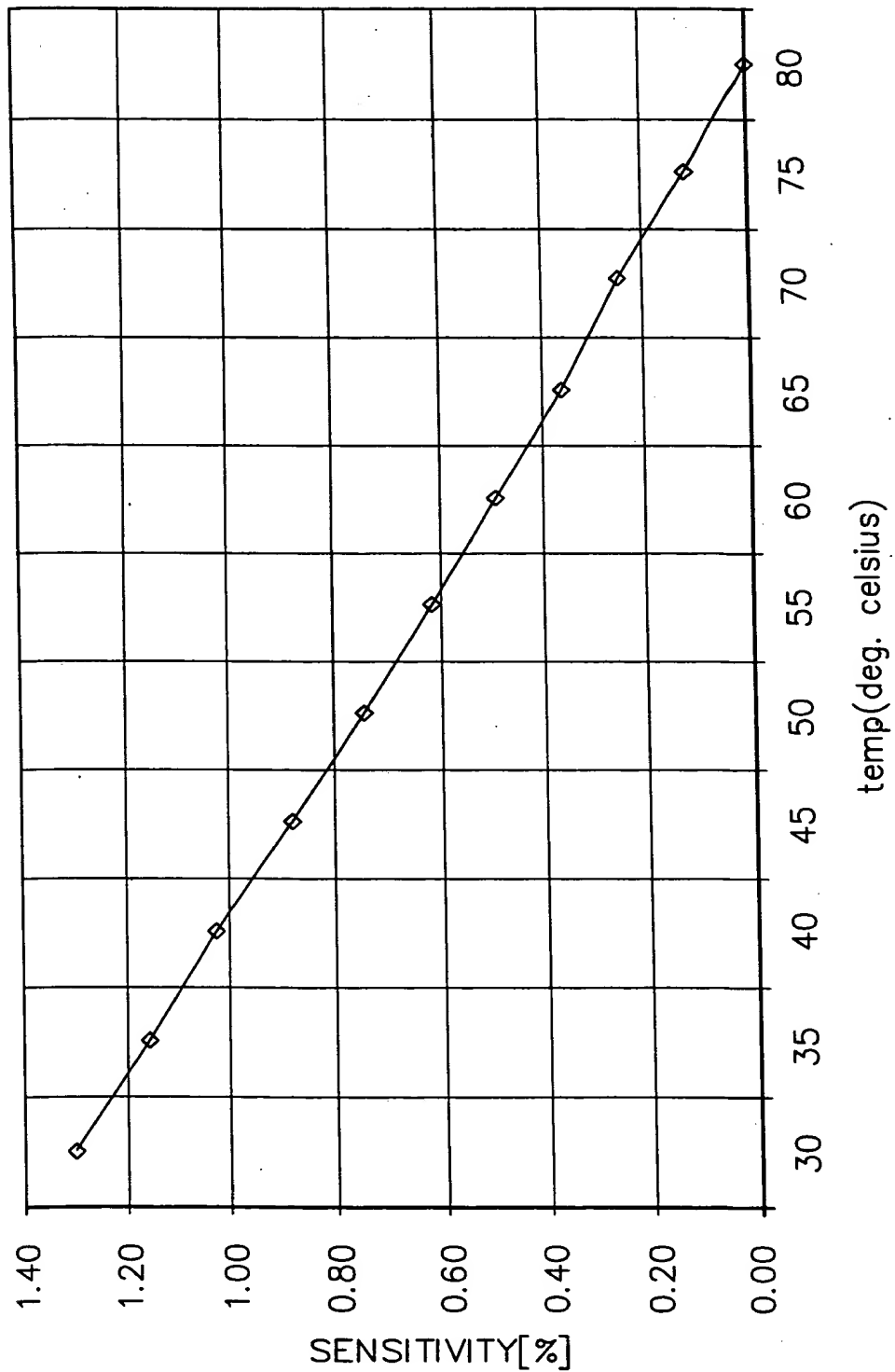


FIG. 3B

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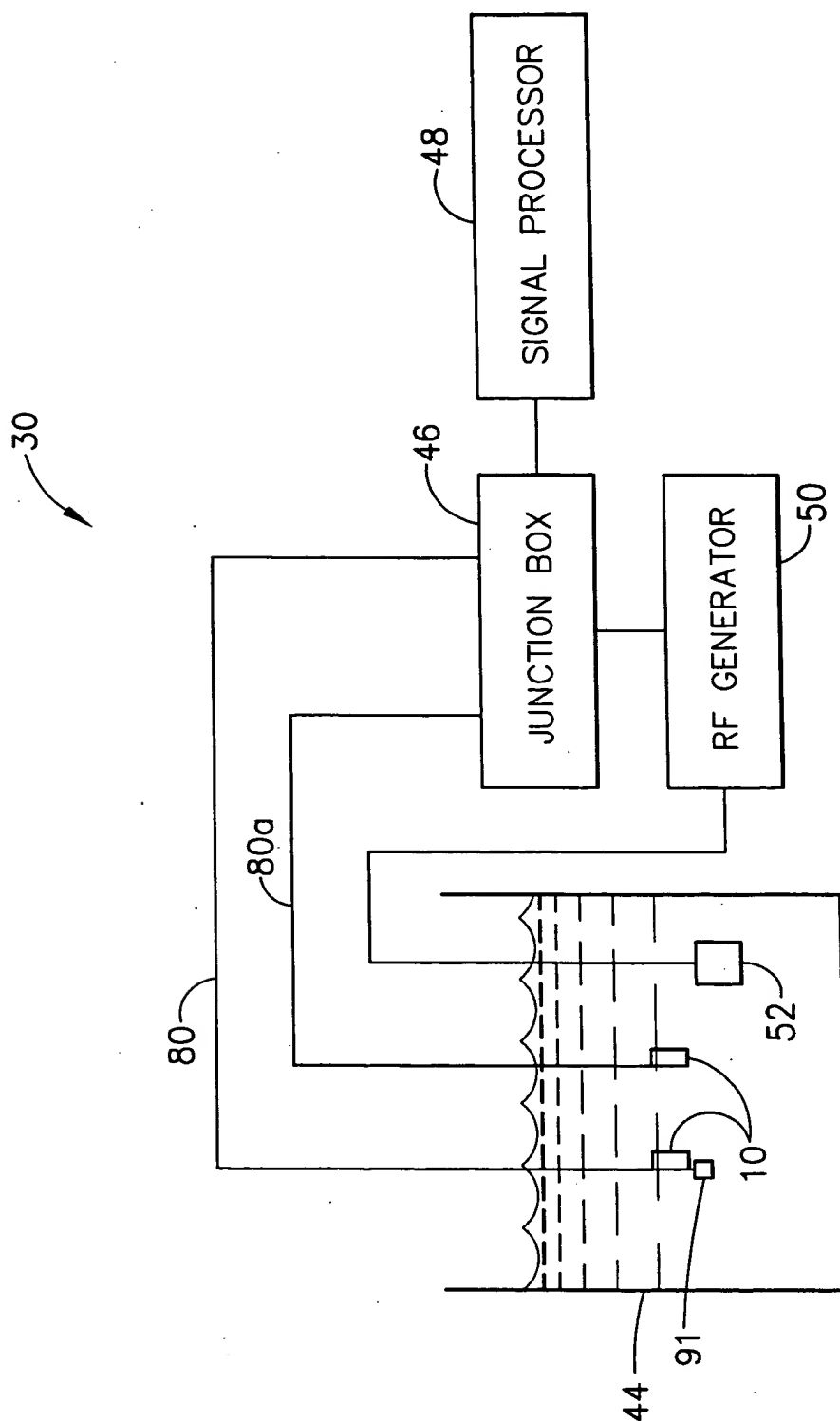


FIG. 4

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

INVENTOR: ASSAF GOVARI

SN: 09/882,125; BIO-121

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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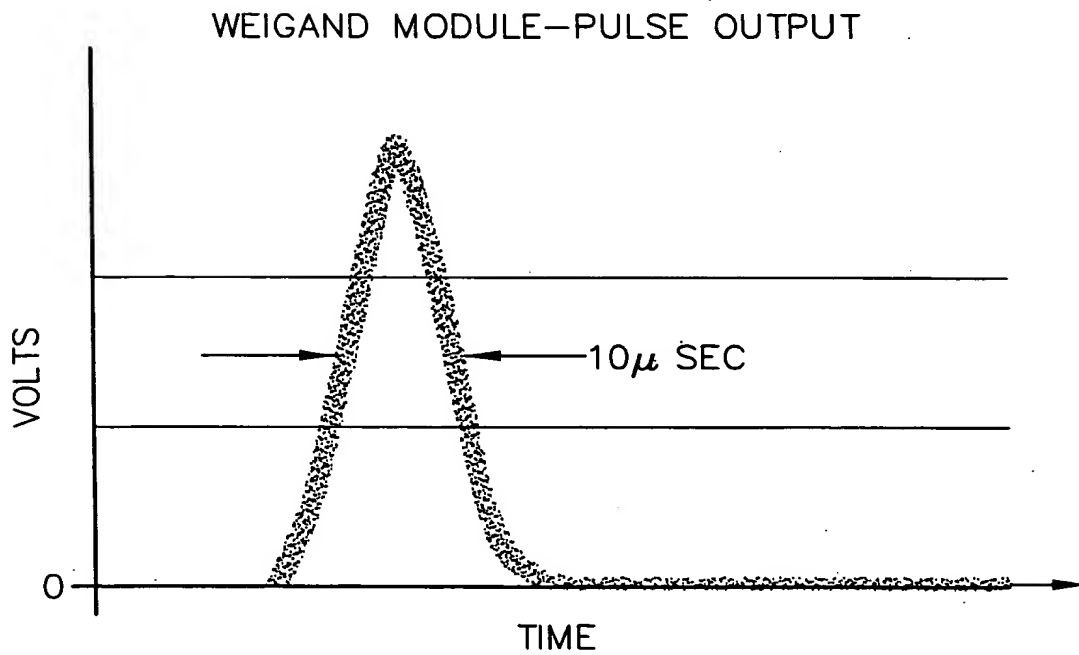


FIG. 5

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

5			6			7			8							
	sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance					
30	3.3480	1.00	235.7	12.16	2.4057	1.25	167.4	13.02	2.4290	1.32	160.32	20.27	2.5002	1.11	175.40	11.74
35	3.3506	0.92	239.3	10.49	2.4061	1.15	169.6	11.56	2.4319	1.20	161.70	19.23	2.5029	1.00	177.40	10.48
40	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06	2.4356	1.05	166.30	15.94	2.5053	0.91	179.20	9.38
45	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30	2.4387	0.92	171.00	12.75	2.5070	0.84	180.60	8.53
50	3.3605	0.62	250.9	5.38	2.4157	0.79	177.3	6.71	2.4428	0.75	172.90	11.51	2.5093	0.75	183.50	6.81
55	3.3642	0.51	254.4	3.93	2.4196	0.66	179.6	5.35	2.4452	0.61	174.10	10.74	2.5134	0.58	185.10	5.89
60	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84	2.4494	0.48	183.90	4.84	2.5157	0.49	191.40	2.40
65	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49	2.4516	0.39	190.20	1.37	2.5168	0.45	194.10	0.98
70	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23	2.4546	0.25	192.80	0.00	2.5215	0.26	196.00	0.00
75	3.3780	0.10	267.9		2.4326	0.13	189.2	0.00	2.4580	0.13			2.5247	0.13		
80	3.3815	0.00			2.4358	0.00			2.4511	0.00			2.5280	0.00		
slope	-0.205		-0.3124		-0.0253		-0.2934		-0.0266		-0.5271		-0.0219		-0.3069	

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